



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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October 6, 1999

TO: File

THRU: Daron Haddock, Permit Supervisor *DH*

FROM: Susan White, Senior Reclamation Biologist *SW*

RE: Historic Resources, Slurry Pond #1, Hiawatha Coal Company, Hiawatha Complex, ACT/007/011-DO99A, File #2, Carbon County, Utah

SYNOPSIS

A Division Order (DO99A) issued in February 1999 required the Operator to include in the permit the following:

1. A map of the current Slurry Pond configuration and a map of the proposed post-mining configuration of Slurry Pond #1.
2. Copies of existing maps and/or photo's (if any exist) depicting the condition and/or configuration of Slurry Pond #1 from 1940 through 1980.
3. Current photographs of Slurry Pond #1.
4. Written history of Slurry Pond #1, documenting the coal cleaning process and use of the slurry pond and changes over time that Slurry Pond #1 has undergone.

The Operator submitted a response to Division Order 99A on July 9, 1999 and September 13, 1999. This technical analysis is a review of the September 13, 1999 submission.

TECHNICAL ANALYSIS:

HISTORIC AND ARCHEOLOGICAL RESOURCE INFORMATION

Regulatory Reference: R645-301-411.

Analysis:

Appendix IV-9, Cultural and Historic Resources Mitigation, will contain specific historical information for each structure or site which is "eligible-contributing" to the historic district. The appendix will contain any mitigation required by SHPO for impacts to historic structures. Below is a listing and short discussion of each structure found in Appendix IV-9.

Slurry Impoundment No. 1 - Slurry Pond #1 is identified as "eligible-contributing" to the historic mining district.

The O'Dell and Southworth study listed Slurry Pond #1 constructed in 1940. The Permittee's could not find any records showing the date of construction for this structure. As-built contours for the slurry pond in the 1970's are shown in Appendix V-1, pg. 24. The original pond followed the shape of Miller Creek. The pond was cleaned of fines in 1976 and again in 1996. No other cleaning of fines could be documented. The Division permitted a major rebuild of the pond in 1983.

As part of the coal cleaning process the coal was separated by hand picking and then screens. The smallest screenings, 3/16" x 1 5/8", were washed and dried, and the waste slurry was then placed in the slurry pond.

Assuming a postmining land use approving retention of historical structures is approved; Figure 1-4 shows the proposed post-mining configuration of the slurry impoundment.

Findings:

The requirements of the Division Order have been met.

RECOMMENDATION:

Prior to approval, an engineer should review the proposed historic land use postmining configuration of Slurry Pond #1, Figure 1-4. After an engineer's review, the amendment should be conditionally approved based on approval of a historical post-mining land use.